



Performance

Measuring range	30 to 1000 ppm	1000 to 2000 ppm
Number of pump strokes	2 (200 ml)	1 (100 ml)
Correction factor	1	2
Sampling time	4 min	2 min

Detecting limit : 5 ppm (2 pump strokes)
 Colour change : Orange → Dark green
 Corrections for temperature & humidity : Unnecessary
 Relative standard deviation : 10 % (for 30 to 300 ppm), 5 % (for 300 to 1000 ppm)
 Shelf life : 3 years

Reaction principle



Possible coexisting substances and their interferences (NOTE : Page 2-5)

Substance	Concentration	Interference	Changes colour by itself to
Alcohols		+	} Dark green
Aromatic hydrocarbons		+	
Esters, Ethers		+	
Organic solvents ($\geq \text{C}_3$)		+	
Sulphur dioxide		+	
Acetylene		+	} Dark brown
Hydrogen sulphide		+	

Water vapour is trapped in the pretreatment (pale brown) layer.

Other substances measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Allyl chloride	Factor : 34	1/2	0.1 to 3.4 %
Heptane	Factor : 1.0	1 or 2	30 to 2000 ppm
Isobutene	Factor : 22	1	0.07 to 2.2 %

Calibration gas generation

Static gas dilution method